

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/019,341 A
Source: IFW16
Date Processed by STIC: 6/25/15

ENTERED



IFW16

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/019,341A

DATE: 05/25/2005
 TIME: 14:05:41

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3 <110> APPLICANT: Amsterdam Molecular Therapeutics B.V. (AMT)
 4 The University of British Columbia
 5 Academic Hospital at the University of Amsterdam
 7 <120> TITLE OF INVENTION: LPL Variant Therapeutics
 9 <130> FILE REFERENCE: 80021-185
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/019,341A
 C--> 12 <141> CURRENT FILING DATE: 2002-05-03
 14 <150> PRIOR APPLICATION NUMBER: EP99202048.7
 15 <151> PRIOR FILING DATE: 1999-06-24
 17 <160> NUMBER OF SEQ ID NOS: 4
 19 <170> SOFTWARE: PatentIn Ver. 2.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 446
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
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 30 Arg Thr Pro Glu Asp Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly
 31 20 25 30
 33 Val Ala Glu Ser Val Ala Thr Cys His Phe Asn His Ser Ser Lys Thr
 34 35 40 45
 36 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
 37 50 55 60
 39 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
 40 65 70 75 80
 42 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
 43 85 90 95
 45 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
 46 100 105 110
 48 Asn Trp Met Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
 49 115 120 125
 51 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
 52 130 135 140
 54 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
 55 145 150 155 160
 57 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
 58 165 170 175
 60 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
 61 180 185 190
 63 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
 64 195 200 205
 66 Gly Gly Thr Phe Gln Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val

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73	245	250	255
75	Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys		
76	260	265	270
78	Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr		
79	275	280	285
81	Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys		
82	290	295	300
84	Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile		
85	305	310	315
87	His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu		320
88	325	330	335
90	Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr		
91	340	345	350
93	Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr		
94	355	360	365
96	Glu Val Asp Ile Gly Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser		
97	370	375	380
99	Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala		
100	385	390	395
102	Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile		400
103	405	410	415
105	Phe Cys Ser Arg Glu Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro		
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112	<210> SEQ ID NO: 2		
113	<211> LENGTH: 475		
114	<212> TYPE: PRT		
115	<213> ORGANISM: Homo sapiens		
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121	Ser Leu Thr Ala Ser Arg Gly Gly Val Ala Ala Ala Asp Gln Arg Arg		
122	20	25	30
124	Asp Phe Ile Asp Ile Glu Ser Lys Phe Ala Leu Arg Thr Pro Glu Asp		
125	35	40	45
127	Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly Val Ala Glu Ser Val		
128	50	55	60
130	Ala Thr Cys His Phe Asn His Ser Ser Lys Thr Phe Met Val Ile His		
131	65	70	75
			80
133	Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp Val Pro Lys Leu Val		
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136	Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn Val Ile Val Val Asp		
137	100	105	110
139	Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val Ser Ala Gly Tyr Thr		

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146	145	150	155
148	Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu Thr Asn Lys Lys Val		160
149	165	170	175
151	Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro Asn Phe Glu Tyr Ala		
152	180	185	190
154	Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala Asp Phe Val Asp Val		
155	195	200	205
157	Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg Ser Ile Gly Ile Gln		
158	210	215	220
160	Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn Gly Gly Thr Phe Gln		
161	225	230	235
163	240		
164	Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val Ile Ala Glu Arg Gly		
166	245	250	255
166	Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser His Glu Arg Ser Ile		
167	260	265	270
169	His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu Asn Pro Ser Lys Ala		
170	275	280	285
172	Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys Gly Leu Cys Leu Ser		
173	290	295	300
175	Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr Glu Ile Asn Lys Val		
176	305	310	315
178	320		
179	Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys Thr Arg Ser Gln Met		
181	325	330	335
181	Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile His Phe Ser Gly Thr		
182	340	345	350
184	Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu Ile Ser Leu Tyr Gly		
185	355	360	365
187	Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr Leu Pro Glu Val Ser		
188	370	375	380
190	Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr Glu Val Asp Ile Gly		
191	385	390	395
193	400		
193	Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser Asp Ser Tyr Phe Ser		
194	405	410	415
196	Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala Ile Gln Lys Ile Arg		
197	420	425	430
199	Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile Phe Cys Ser Arg Glu		
200	435	440	445
202	Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro Ala Val Phe Val Lys		
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209	<210> SEQ ID NO: 3		
210	<211> LENGTH: 448		
211	<212> TYPE: PRT		
212	<213> ORGANISM: Homo sapiens		

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 218 Arg Thr Pro Glu Asp Thr Ala Glu Asp Thr Cys His Leu Ile Pro Gly
 219 20 25 30
 221 Val Ala Glu Ser Val Ala Thr Cys His Phe Asn His Ser Ser Lys Thr
 222 35 40 45
 224 Phe Met Val Ile His Gly Trp Thr Val Thr Gly Met Tyr Glu Ser Trp
 225 50 55 60
 227 Val Pro Lys Leu Val Ala Ala Leu Tyr Lys Arg Glu Pro Asp Ser Asn
 228 65 70 75 80
 230 Val Ile Val Val Asp Trp Leu Ser Arg Ala Gln Glu His Tyr Pro Val
 231 85 90 95
 233 Ser Ala Gly Tyr Thr Lys Leu Val Gly Gln Asp Val Ala Arg Phe Ile
 234 100 105 110
 236 Asn Trp Met Glu Glu Glu Phe Asn Tyr Pro Leu Asp Asn Val His Leu
 237 115 120 125
 239 Leu Gly Tyr Ser Leu Gly Ala His Ala Ala Gly Ile Ala Gly Ser Leu
 240 130 135 140
 242 Thr Asn Lys Lys Val Asn Arg Ile Thr Gly Leu Asp Pro Ala Gly Pro
 243 145 150 155 160
 245 Asn Phe Glu Tyr Ala Glu Ala Pro Ser Arg Leu Ser Pro Asp Asp Ala
 246 165 170 175
 248 Asp Phe Val Asp Val Leu His Thr Phe Thr Arg Gly Ser Pro Gly Arg
 249 180 185 190
 251 Ser Ile Gly Ile Gln Lys Pro Val Gly His Val Asp Ile Tyr Pro Asn
 252 195 200 205
 254 Gly Gly Thr Phe Gln Pro Gly Cys Asn Ile Gly Glu Ala Ile Arg Val
 255 210 215 220
 257 Ile Ala Glu Arg Gly Leu Gly Asp Val Asp Gln Leu Val Lys Cys Ser
 258 225 230 235 240
 260 His Glu Arg Ser Ile His Leu Phe Ile Asp Ser Leu Leu Asn Glu Glu
 261 245 250 255
 263 Asn Pro Ser Lys Ala Tyr Arg Cys Ser Ser Lys Glu Ala Phe Glu Lys
 264 260 265 270
 266 Gly Leu Cys Leu Ser Cys Arg Lys Asn Arg Cys Asn Asn Leu Gly Tyr
 267 275 280 285
 269 Glu Ile Asn Lys Val Arg Ala Lys Arg Ser Ser Lys Met Tyr Leu Lys
 270 290 295 300
 272 Thr Arg Ser Gln Met Pro Tyr Lys Val Phe His Tyr Gln Val Lys Ile
 273 305 310 315 320
 275 His Phe Ser Gly Thr Glu Ser Glu Thr His Thr Asn Gln Ala Phe Glu
 276 325 330 335
 278 Ile Ser Leu Tyr Gly Thr Val Ala Glu Ser Glu Asn Ile Pro Phe Thr
 279 340 345 350
 281 Leu Pro Glu Val Ser Thr Asn Lys Thr Tyr Ser Phe Leu Ile Tyr Thr
 282 355 360 365
 284 Glu Val Asp Ile Gly Glu Leu Leu Met Leu Lys Leu Lys Trp Lys Ser
 285 370 375 380

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287 Asp Ser Tyr Phe Ser Trp Ser Asp Trp Trp Ser Ser Pro Gly Phe Ala
288 385 390 395 400
290 Ile Gln Lys Ile Arg Val Lys Ala Gly Glu Thr Gln Lys Lys Val Ile
291 405 410 415
293 Phe Cys Ser Arg Glu Lys Val Ser His Leu Gln Lys Gly Lys Ala Pro
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303 <210> SEQ ID NO: 4
304 <211> LENGTH: 2565
305 <212> TYPE: RNA
306 <213> ORGANISM: Homo sapiens
308 <400> SEQUENCE: 4
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311 ccccagaggg acgcgcgcgc agaggagagc aaagcccgcc ggcgaccggc cggggcccgag 180
312 agcgaccgcgc cccgcggagg ggggcgcgcg ccgaccaaag aagagaacga cacgaaagaa 240
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314 caccgcacaa cacagcagca aaaccaggc accaggcgga cggaaacagga agagagaggg 360
315 ggccaaaacg ggccgcgcga caagagagaa ccagacccaa gcagggggac ggcgcacggg 420
316 ccaggagcaa cccaggccgc gggcacacca aacgggggac aggagggccc ggacaacggg 480
317 ggaggaggag aacaccccg acaagccacc gggAACAGCC ggagcccgagc gcgccagcag 540
318 gaagcgacca aaagaaaagca acagaaaacgg cccgaccagc ggaccaacga gagcagaagc 600
319 cccgagcgcc ccgagagcag agagacgcac acacacacca gagggcccg gcgaagcagg 660
320 aaccagaaac caggggcagg acaacccgaa ggaggaccag ccaggagaac aggagaagca 720
321 cccgcccggc gagagaggac ggagaggac cggcggcggc gcccacacacc 780
322 cacgaccgcg aagaagaaaa ccaagaaggc cacagggcag ccaaggaagc cgagaaaggg 840
323 cccgcccggc aaagaaccgc gcaacaacgg gcagagacaa aaagcagagc caaaaagaagc 900
324 agcaaaagac cgaagaccgc cagagccac aaagcccaac caagaaagac acgggacgag 960
325 agggaaaccca accaacacggc cgagaccggc gcaccgggccc gagaggagaa caccacacc 1020
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327 aaggaagagg acaacagcgg cagacggggc gcagcccgcc cgccacacaa gacagagaaaa 1140
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331 ggaccgaaaa acccagccca cccgagaagg agacagccaa gcacaaaaag ggcaacaaag 1380
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338 cccccccgcgc aaaaaaaaaa gccggggaggc gaaaagagcc gaaccccgcc acacaaagaa 1800
339 gggcagaaaa aaaaaaagaac cgaaaaagac cccaaagacac aaaaaacaca aacgacagac 1860
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341 cagggagcca cagaagacaa gggacccacaa gaaaaggggg agaggccggg gggaccaagc 1980
342 aggcgaaacc acgcggcaag agccagaggc gaccagaggc gggaccaac aacaagagga 2040
343 ggaacaacaa aaacagaccc acagaagccc acgaaaaaga aagaaaaagag caaaaccaga 2100
344 ggcaagcgcc aacccgacgg aaagaggaac gaacacaaca gaaagccgcga gggcccgac 2160

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 05/25/2005
PATENT APPLICATION: US/10/019.341A TIME: 14:05:42

Input Set : A:\PTO.SR.txt
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The rules require that a line not exceed 72 characters in length. This includes spaces.

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VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date